CFS-209

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model

PHOTO : Italian model

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 3.2 ohm loads, both channels driven, from 150 - 10,000 Hz; rated 1.5 W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

(US model)

Frequency range

	FM	AM
US, Canadian, E model	87.6 – 108 MHz	530 – 1710 kHz
AEP model	87.6 – 107 MHz	531 – 1602 kHz
Italian model	87.5 – 108 MHz	526.5 – 1606.5 kHz

Intermediate frequency	FM 10.7 MHz AM 455 kHz
Antennas	FM: Telescopic antenna AM: Built-in ferrite bar
Recording system	4-track 2-channel stereo
Frequency response	80 – 10,000 Hz
Speaker	Full-range: 10cm (4 inches) dia. × 2
Maximum power output Input	Canadian, E model : 2.3W+2.3W (at 10% harmonic distortion at DC operation) AEP, Italian model : 5.2W (2.6W + 2.6W) CD/LINE IN jacks (stereo phono) (2) input impedance 50 kΩ, sensitivity 0.43V
Output	Headphones jack, 16 – 68 Ω impedance

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MF-209-102

Power requirements	US, Canadian, E model : 120V AC, 60Hz AEP, Italian model : 220 – 230 V AC, 50 Hz 9V DC, six R20 (size D) batteries
Power consumption	14 W

Battery life

Battery	FM recording	Playback
Sony SUM-1 (NS)	12 hours	7 hours
Sony AM-1	24 hours	14 hours

Dimensions	Approx. 470 × 155 × 150 mm (w/h/d) (18 5/8 × 6 1/8 × 6 inches) incl. projecting parts and controls
Weight	Approx. 3.1 kg (6lb 13oz), incl. batteries
Accessory supplied	AC power cord (1)

Design and specifications are subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

MICROFILM

RADIO CASSETTE - CORDER

SONY®

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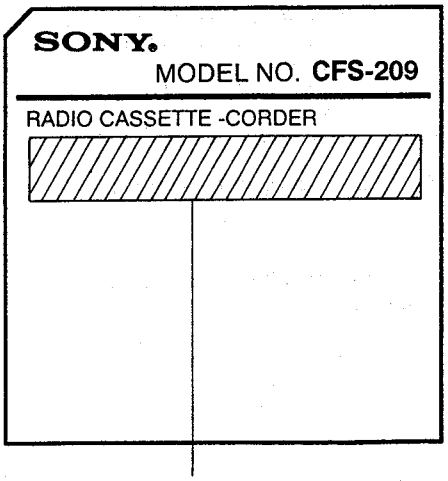
MODEL IDENTIFICATION

—Model Number Label—



US, Canadian, E model : AC 120~60Hz
AEP, Italian model : AC 220V-230V~50Hz

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

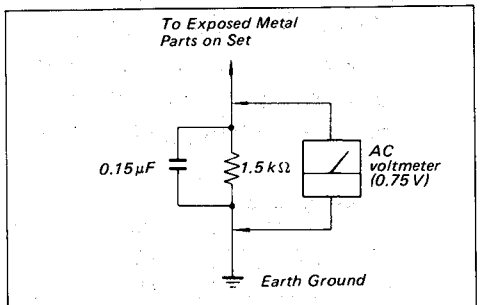


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

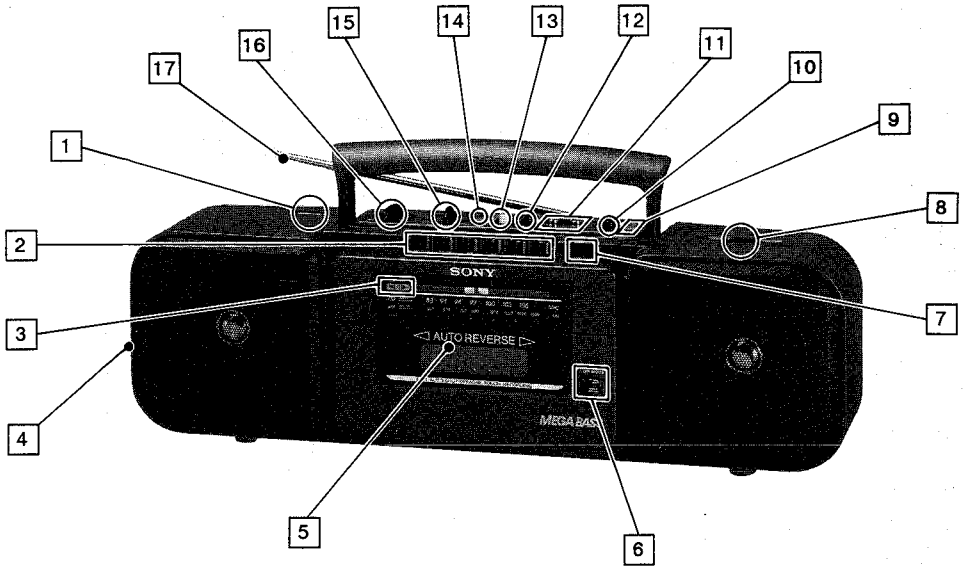
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

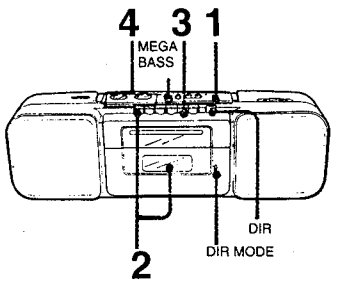
LOCATION AND FUNCTION OF CONTROLS



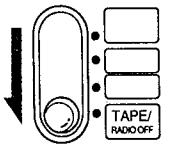
[FRONT panel]

1. PHONES (headphones) jack (stereo minijack)
2. Tape operation buttons
   - ● REC (record) button
   - ◁ PLAY (play back) button
   - ▷▷ REW (rewind) button
   - ◁◁ FF (farst-forward) button
   - ▯▯ PAUSE button
   - □⏏ STOP/EJECT button
3. DIRECTION REV/FWD
4. AC IN
5. cassette holder
6. DIR MODE button
7. DIRECTION button
8. TUNING knob
9. FUNCTION selector
10. OPR/BATT indicator
11. CD/LINE IN pin-jack
12. FM MODE button (AEP, Italian only)
13. MEGA BASS button
14. MICROPHONE (Electret condenser)
15. TONE knob
16. VOLUME knob
17. Telescopic antenna

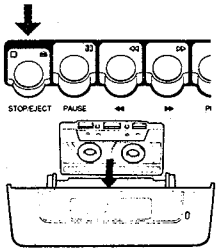
Tape Playback



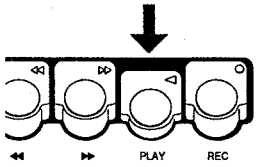
1 Set to TAPE.



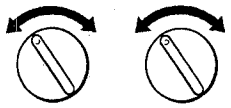
2 Insert a cassete.



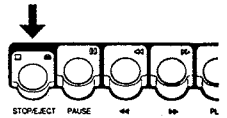
3 Press PLAY.



4 Adjust VOLUME and TONE, if



To stop playback



When the tape reaches the end, PLAY is released automatically.

Other tape operations

If you want to:	Press
wind the tape rapidly in ▶ direction	▶▶
wind the tape rapidly in ◀ direction	◀◀
pause for a moment	II
resume playing after a pause	II
eject the tape	■⏏

To locate a desired position

Keep pressing ◀◀ or ▶▶ during play.
At the desired point found by listening to the high-speed sound, release the pressed button to restart playing.

When the unit is in use

OPR/BATT (operation/battery) indicator lights up. Intensity of glow shows battery level.

To obtain powerful bass sound

This unit incorporates the MEGA BASS system, which contains the Dynamic Bass Boost (DBB) circuit. The DBB varies the amount of boost in the low frequency range depending on the volume control and reproduces an especially powerful bass sound at low volume level.
The "MEGA BASS" system produces heavy and powerful bass sound. To increase the bass, press the MEGA BASS button (⏏ ON). You can also use this button when operating CD or radio.

For private listening

Connect stereo headphones to PHONES jack.

To listen to the other side of the cassette being played

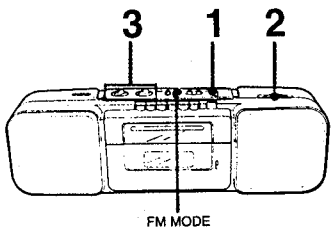
Press the DIRECTION button.
The ◁ ▷ (forward/reverse) indicator indicates the side of the cassette being played.

To select the playback mode

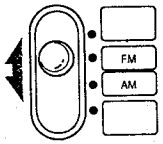
If you want to:	Set DIR MODE to:
play one side of a cassette	⇄
play both sides of a cassette once*	⮌

* Playback should be started from the forward (front) side. Be sure to set the ◁ ▷ indicator to ◁. If not, the tape will stop playing when the playback of the reverse side is finished, even if the DIR MODE selector is set to ⮌.

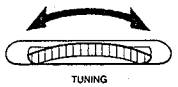
Listening to the Radio



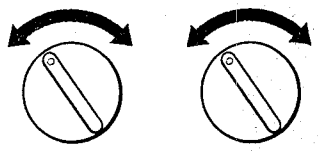
1 Select the desired band.



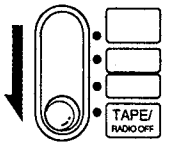
2 Tune in a desired station.



3 Adjust the VOLUME and TONE, if necessary.

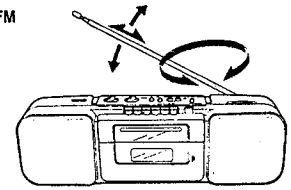


To turn off the radio

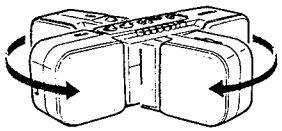


Adjust the antenna

FM

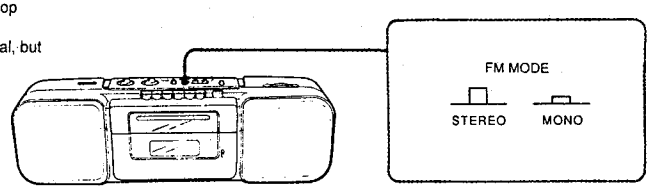


AM



To reduce noise interference

When noise interferes with an FM program, set FM MODE on the top panel to MONO. The FM stereo broadcast is received in monaural, but the noise may be reduced.



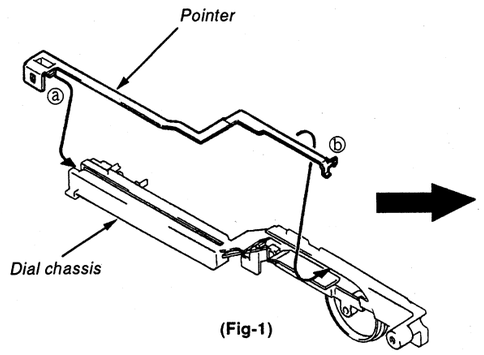
This section is extracted from instruction manual.

SECTION 2
DIAL POINTER INSTALLATION

Note : Follow the installation procedure in the numerical order given.

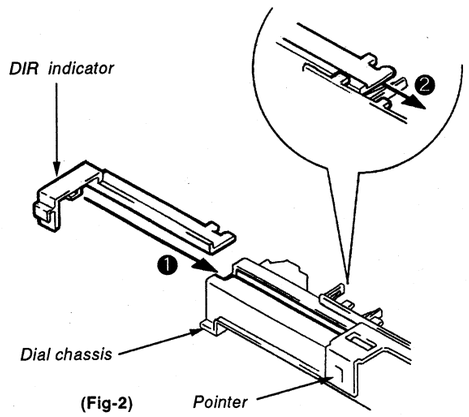
DIAL POINTER AND DIR INDICATOR INSTALLATION

- Insert the ⓐ side into the groove of the dial chassis and slide it, then firmly insert the ⓑ side as shown in Fig-1.



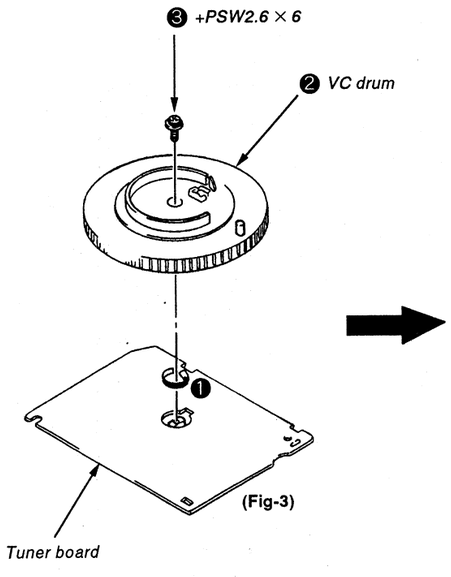
(Fig-1)

- Slide the DIR indicator into the groove of the dial chassis as shown in Fig-2.



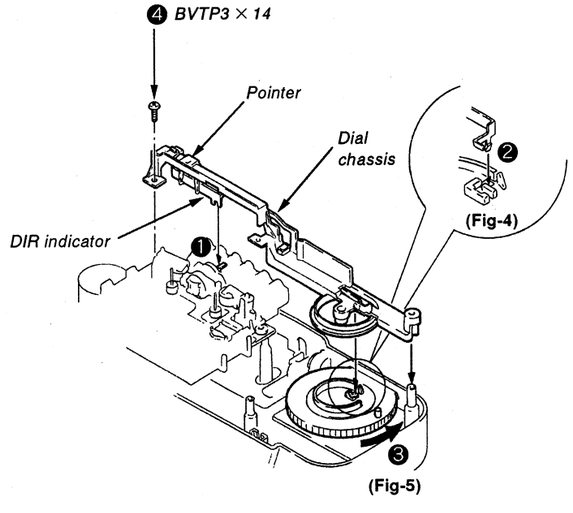
(Fig-2)

- When setting the VC drum, rotate PVC shaft full counterclockwise. (Fig-3)



(Fig-3)

❶ Slide the DIR indicator to align it with the slider lever (MD).(Fig-5)
❷ Align the pointer with the groove of the VC drum and firmly insert it into the groove. (Fig-4)
❸ Confirm that the VC drum is fully turned in counterclockwise direction.(Fig-5)



(Fig-4)
(Fig-5)

SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head — pinch roller
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

1. Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102C	22 – 55g•cm (0.31 – 0.76 oz•inch)
FWD Back tension		2 – 5g•cm (0.03 – 0.06 oz•inch)
REV	CQ-102RC	22 – 55g•cm (0.31 – 0.76 oz•inch)
REV Back tension		2 – 5g•cm (0.03 – 0.06 oz•inch)
FF	CQ-201B	more than 60g•cm (0.84 oz•inch)
REW	CQ-201B	more than 55g•cm (0.77 oz•inch)

2. Tape Tension Measurement

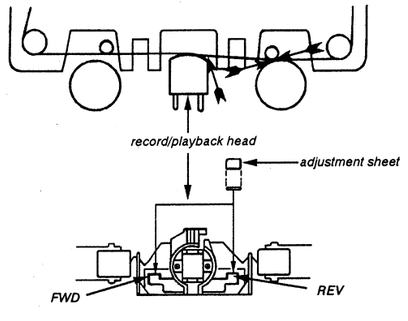
Mode	Tension Meter	Meter Reading
FWD	CQ-403A	more than 100g (3.53 oz)
REV	CQ-403R	more than 100g (3.53 oz)

3. Head Height Adjustment

Procedures :

1) Test cassette : CQ-009C
2) Set the unit to the playback mode.
3) Adjust the head heights to eliminate a tape curl and a tape twist at the portions of the arrow by using the head height adjustment sheet.

- DECK



Adjustmet sheet
3-377-197-01(t=0.09)
3-377-197-11(t=0.115)
3-377-197-21(t=0.14)
3-377-197-31(t=0.165)
3-377-197-41(t=0.23)

3-2. ELECTRICAL ADJUSTMENTS

TAPE SECTION

1. The adjustments should be performed in the order given in the service manual.(As a general rule. playback circuit adjustment should be completed before performing recording circuit adjustment.)
2. The adjustments should be performed for both L-CH and R-CH unless otherwise indicated.

- Switch location
  FUNCTION ····· TAPE (RADIO OFF)
  MEGA BASS ····· OFF
  TONE ····· mechanical center
  VOLUME ····· mechanical center

Standard Input Level

	MIC IN	LINE IN
source impedance	300 Ω	10k Ω
input level	3.085mV(– 48dB)	0.25V(– 10dB)

Standard Output Level

	SP OUT	PHONES
load impedance	3.2 Ω	32 Ω
output level	0.775V(0dB)	0.25V(– 10dB)

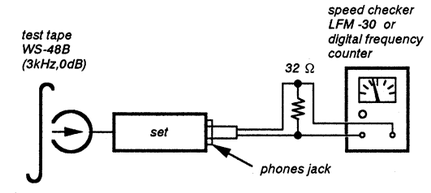
Test Tape

Type	Signal	Used for
WS-48B	3kHz, 0dB	Tape Speed Adjustment

0 dB=0.775V

Tape Speed Adjustment

setting :
Mode : playback
Procedure :

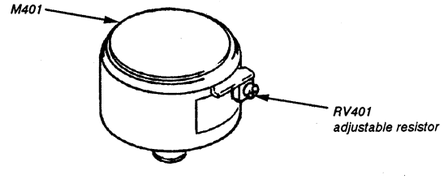


Adjustmet Values :

Speed checker	Digital frequency counter
± 3%	2,910 to 3,090Hz

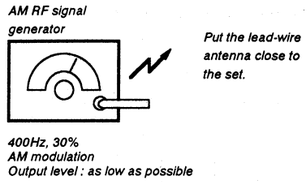
Frequency difference between the beginning and the end of the tape should be within 1.5% (45Hz).

Adjustment Location :

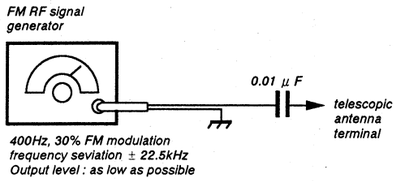


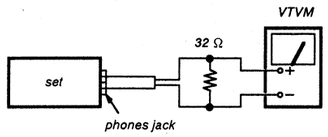
TUNER SECTION

AM Section



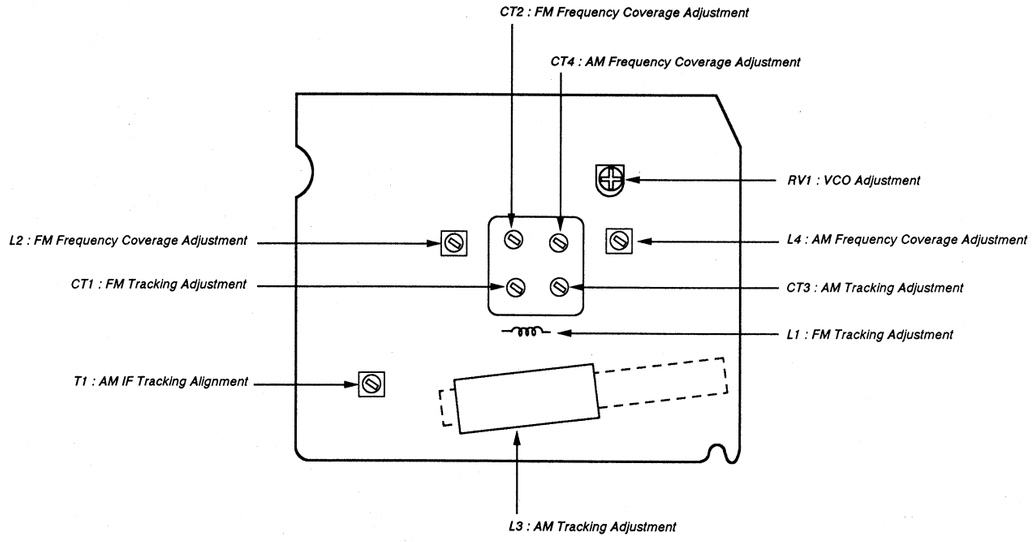
FM Section


FM RF signal generator
0.01 μ F
telescopic antenna terminal
400Hz, 30% FM modulation
frequency seviation ± 22.5kHz
Output level : as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

Adjustment Location : Main board (Component side)


CT2 : FM Frequency Coverage Adjustment
CT4 : AM Frequency Coverage Adjustment
RV1 : VCO Adjustment
L2 : FM Frequency Coverage Adjustment
L4 : AM Frequency Coverage Adjustment
CT1 : FM Tracking Adjustment
CT3 : AM Tracking Adjustment
L1 : FM Tracking Adjustment
T1 : AM IF Tracking Alignment
L3 : AM Tracking Adjustment

no mark : US, Canadian, E model
( ) : AEP model
(( )) : Italian model

AM IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
T1	455kHz

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	600kHz
CT3	1,400kHz

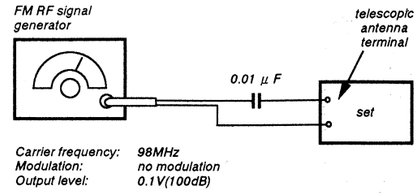
AM FREQUENCY COVERAGE ADJUSTMENT			
Adjust for a maximum reading on VTVM.			
L4	515kHz	(515kHz)	((516kHz))
CT4	1,780kHz	(1,680kHz)	((1,630kHz))

FM TRACKING ADJUSTMENT			
Adjust for a maximum reading on VTVM.			
L1	86.5MHz	(87.35MHz)	((87.35MHz))
CT1	109.5MHz	(107.8MHz)	((108.3MHz))

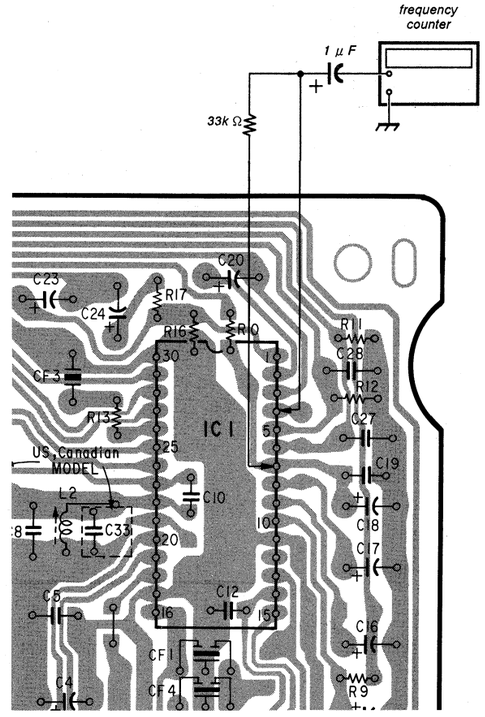
FM FREQUENCY COVERAGE ADJUSTMENT			
Adjust for a maximum reading on VTVM.			
L2	86.5MHz	(87.35MHz)	((87.35MHz))
CT2	109.5MHz	(107.8MHz)	((108.3MHz))

VCO Adjustment

procedure :

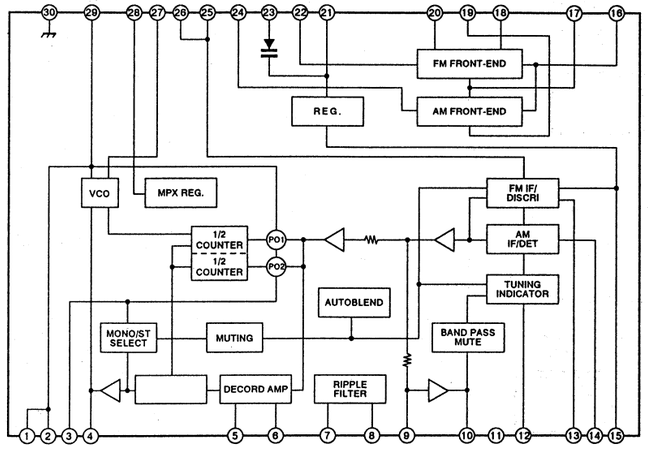


1. Connect a frequency counter to ④ and ⑦ pins of IC1 as shown the figure below.
2. Turn the set to 98MHz.
3. Adjust RV1 for 76kHz ± 500Hz reading on frequency

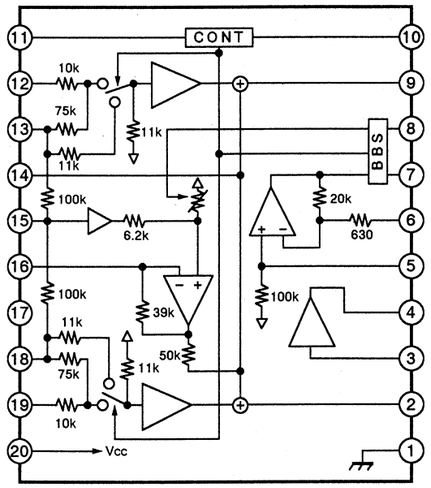


• IC BLOCK DIAGRAMS

IC1 CXA1238S



IC302 BA3870



SECTION 4
DIAGRAMS

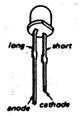
• SEMICONDUCTOR LEAD LAYOUTS

DTC114ES
RN1210

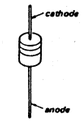
10E2

2SC2001-LK
2SC1815-GR

MVR3338S



1SS119
RD6.8ES-B2



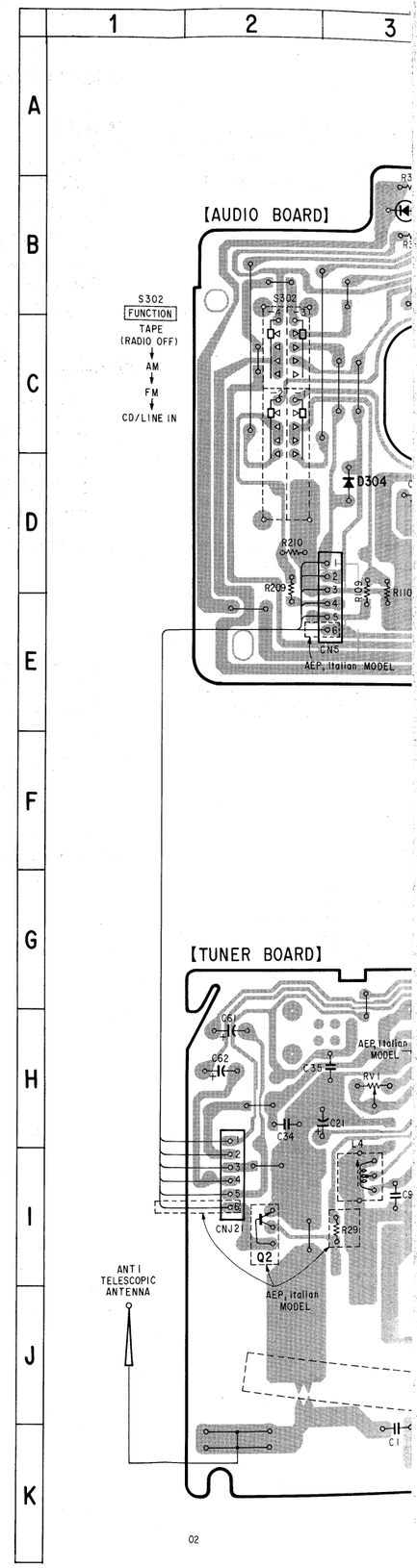
• SEMICONDUCTOR LOCATION

Ref. No.	Location
D301	B - 3
D302	D - 9
D304	D - 3
D801	H - 15
D802	H - 15
D803	H - 15
D804	H - 15
IC1	H - 5
IC301	C - 5
IC302	C - 7
IC303	C - 11
Q1	J - 5
Q2	I - 2
Q101	C - 10
Q201	C - 9
Q301	E - 8
Q302	E - 7

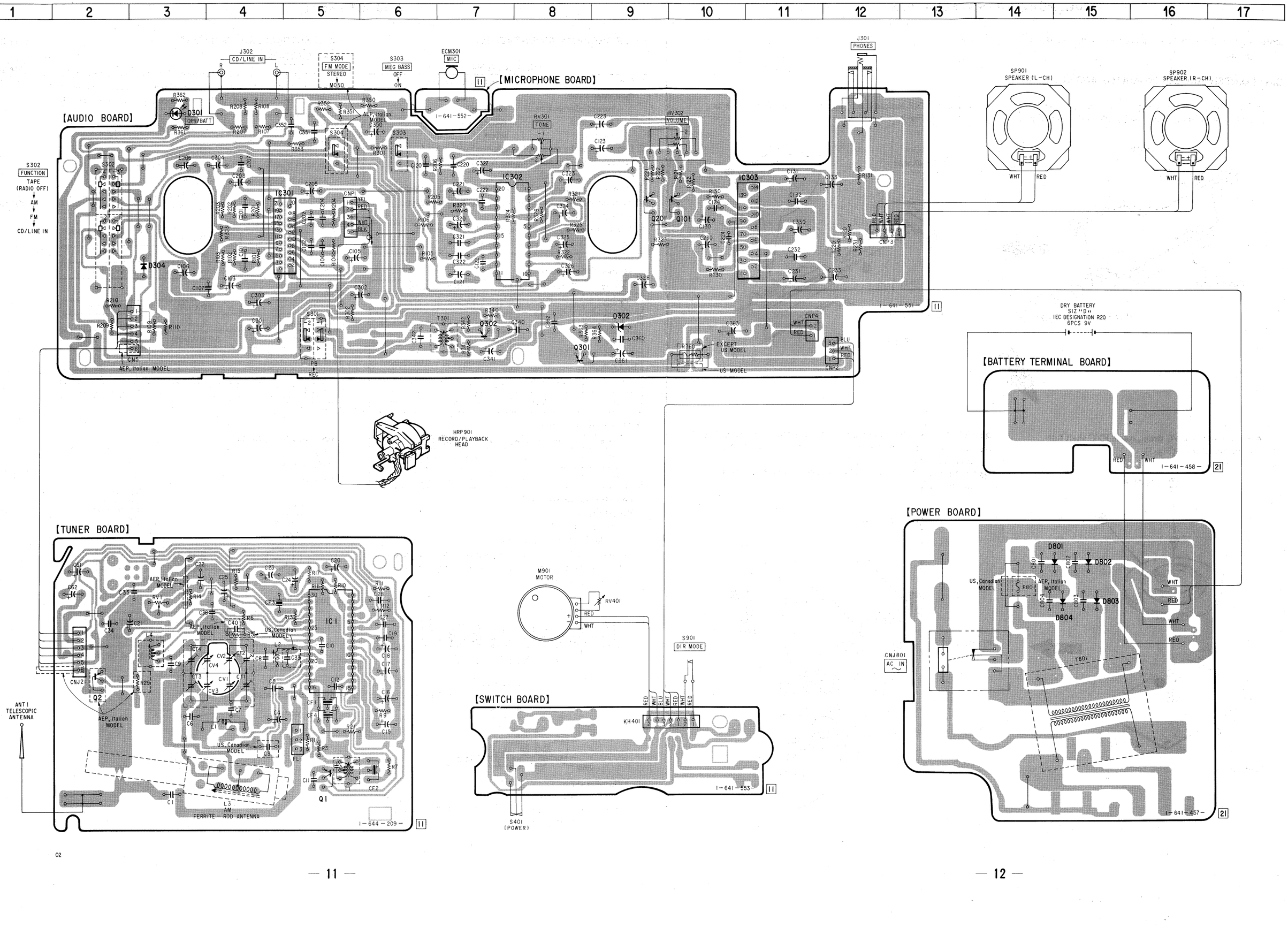
Note:

- O— : parts extracted from the component side.
- ▒▒▒ : Pattern on the side which is seen.

4-1. PRINTED WIRING BOARDS



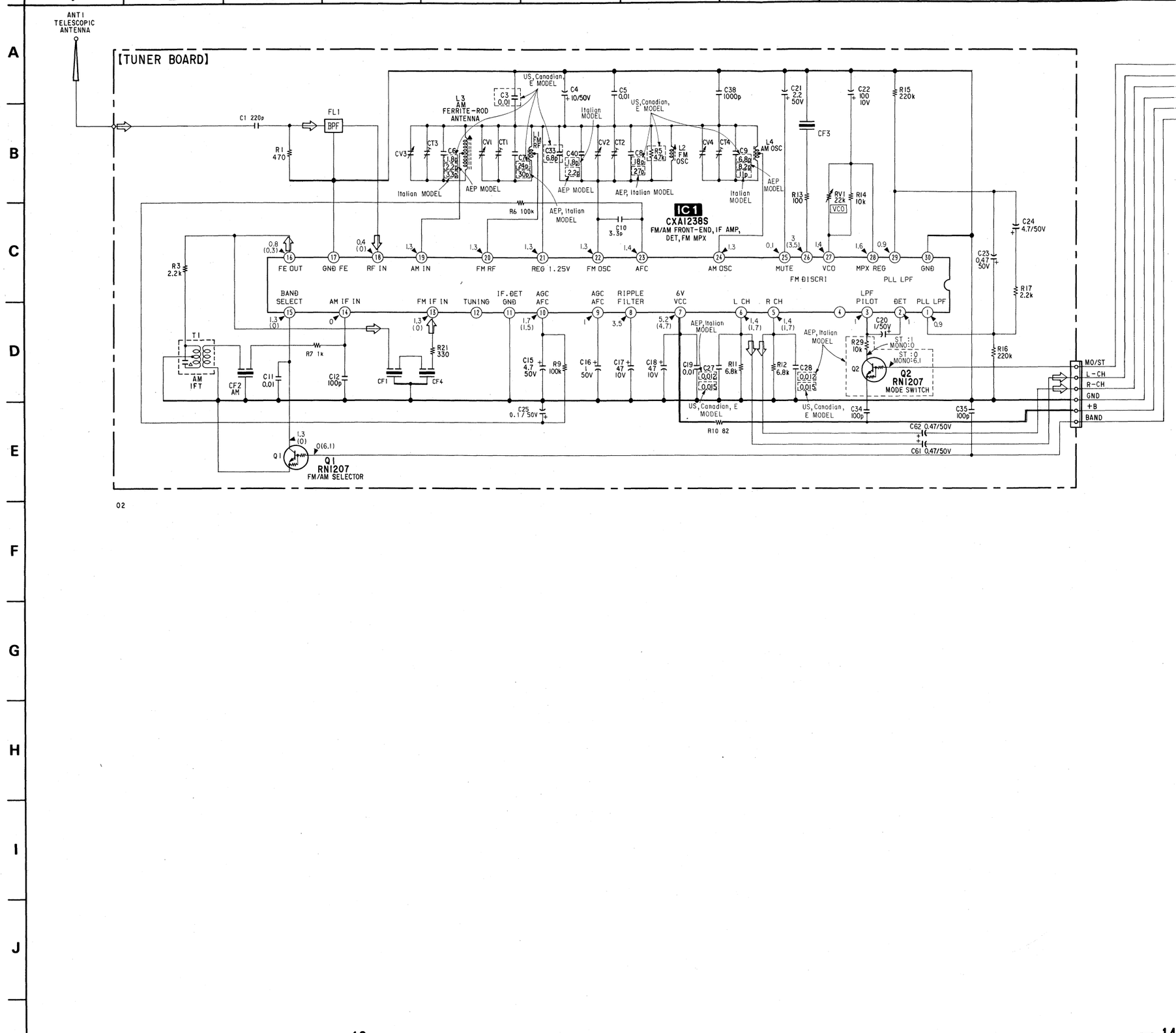
4-1. PRINTED WIRING BOARDS

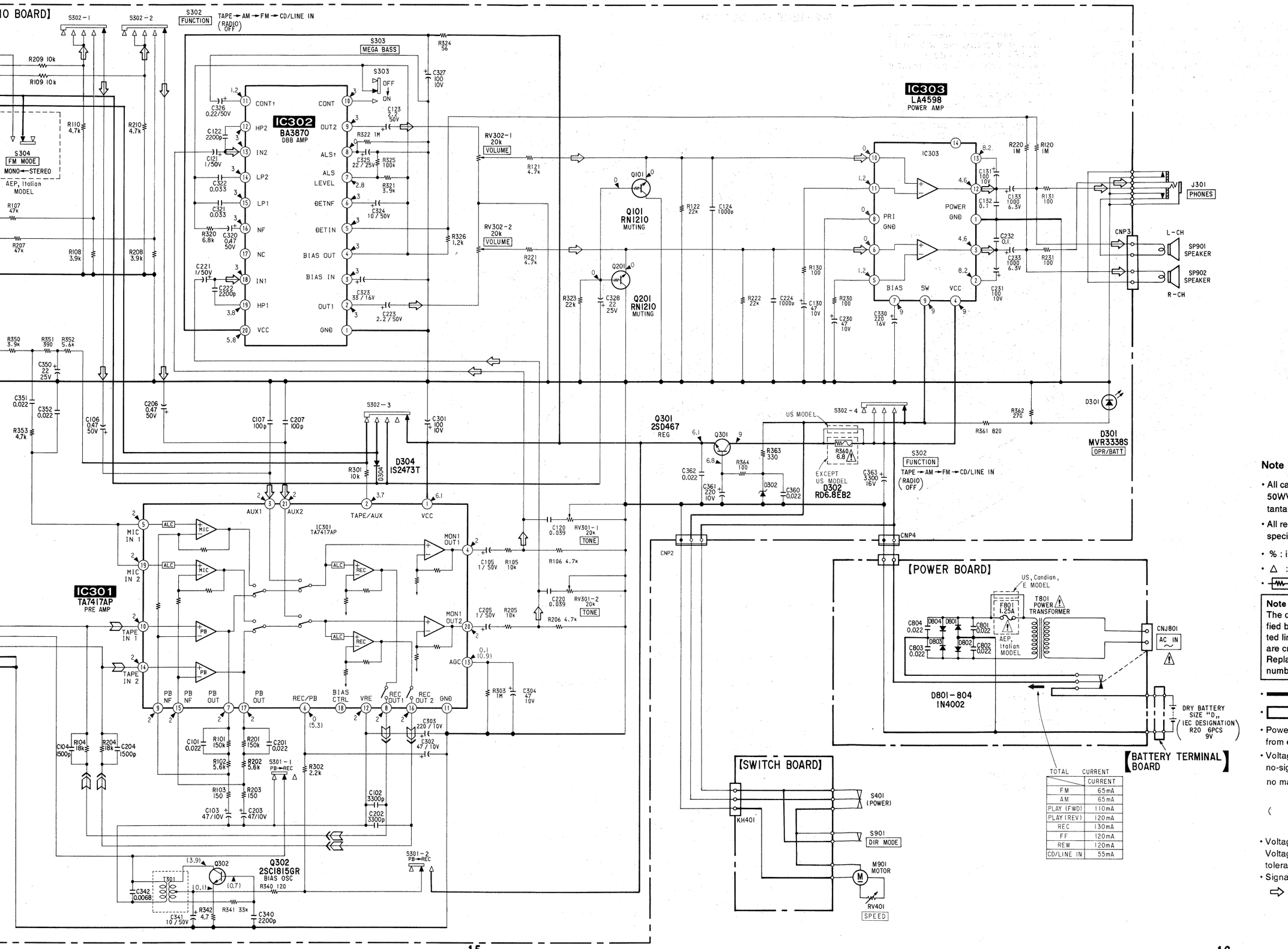


02

4-2. SCHEMATIC DIAGRAM

• Refer to page 9 for IC Block Diagrams.





TOTAL CURRENT	CURRENT
FM	65mA
AM	65mA
PLAY (FWD)	110mA
PLAY (REV)	120mA
REC	130mA
FF	120mA
REW	120mA
CD/LINE IN	55mA

Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- ⏦ : fusible resistor.

Note :	**Note :**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

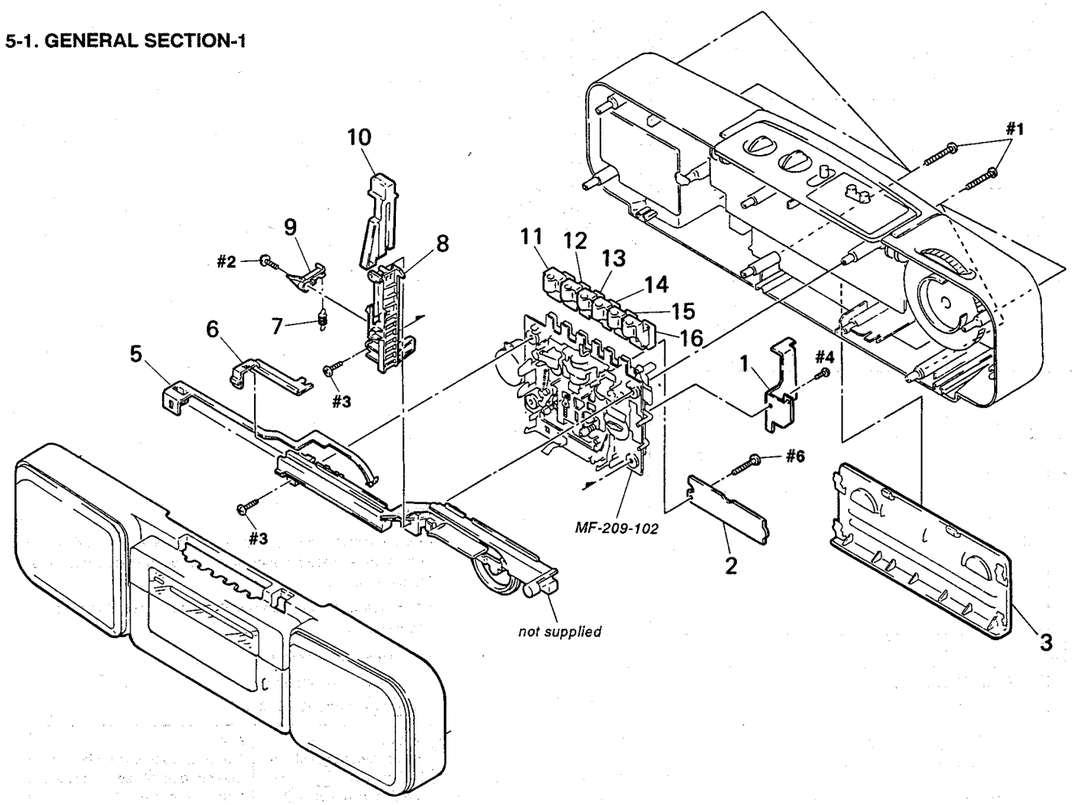
- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Power voltage is dc 9V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  - no mark : FM (RADIO SECTION)
  - : PLAYBACK (AUDIO SECTION)
  - ( ) : AM (RADIO SECTION)
  - : REC (AUDIO SECTION)
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - ⇨ : FM ⇨ : PB
  - ⇨ : REC

SECTION 5
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

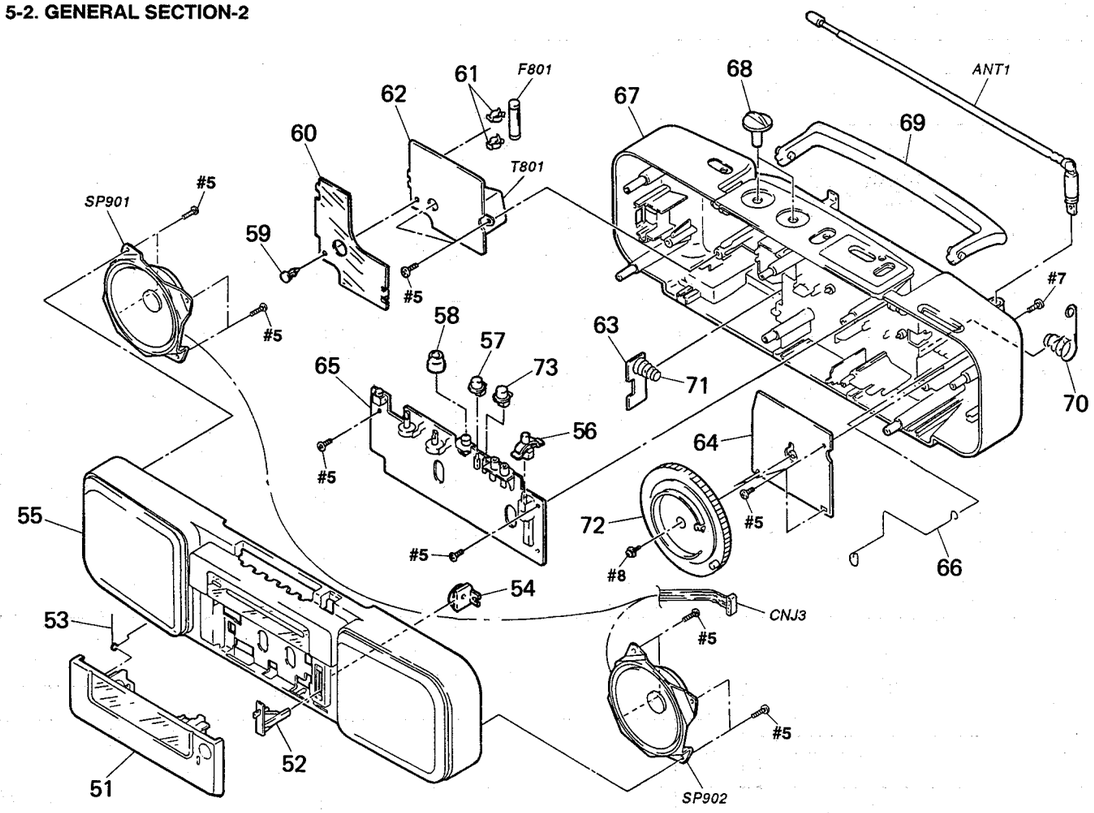
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. GENERAL SECTION-1



Ref.No.	Part No.	Description	Remark
1	3-379-753-01	LEVER (RECORD)	
* 2	1-641-553-11	SWITCH BOARD	
3	3-379-777-01	LID, BATTERY CASE	
5	3-379-763-01	POINTER	
6	3-379-767-01	INDICATOR (DIR.)	
7	3-379-754-01	SPRING (DIR.), TENSION	
* 8	3-379-765-01	CHASSIS (DIR.)	
9	3-379-766-01	LEVER (DIR.)	
10	3-379-764-01	BUTTON (DIR)	
11	3-379-768-01	BUTTON (MD. S/E)	
12	3-379-758-01	BUTTON (MD. PAUSE)	
13	3-379-759-01	BUTTON (MD. FF)	
14	3-379-760-01	BUTTON (MD. REW)	
15	3-379-761-01	BUTTON (MD. PLAY)	
16	3-379-762-01	BUTTON (MD. REC)	

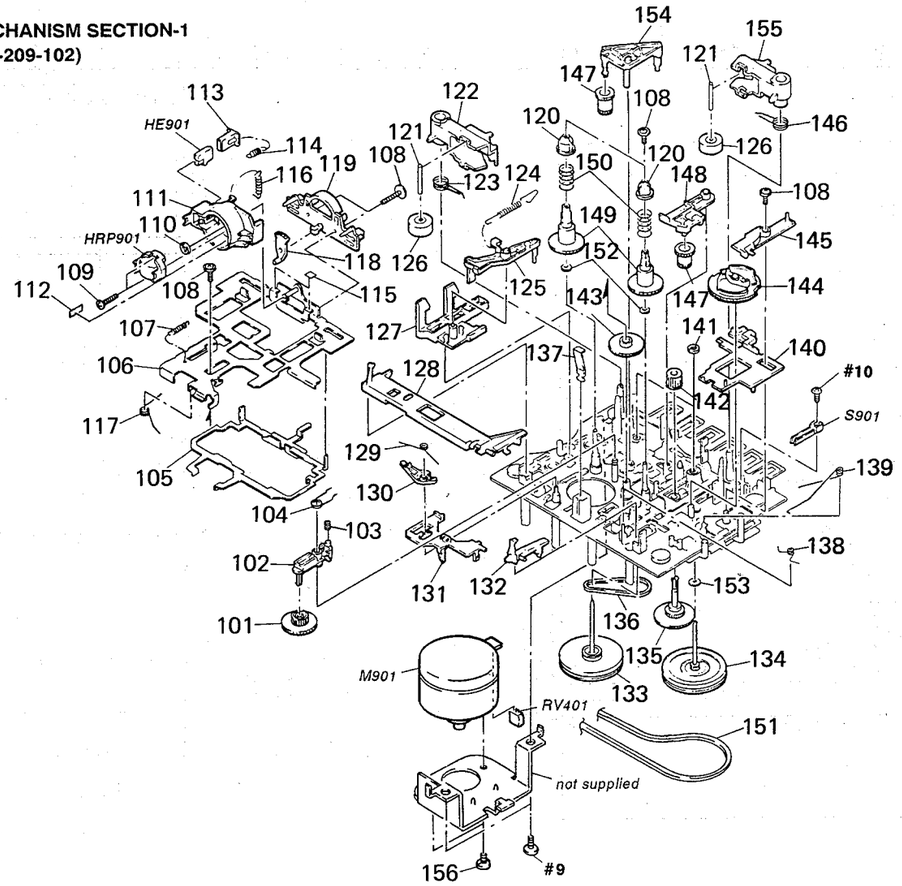
5-2. GENERAL SECTION-2



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

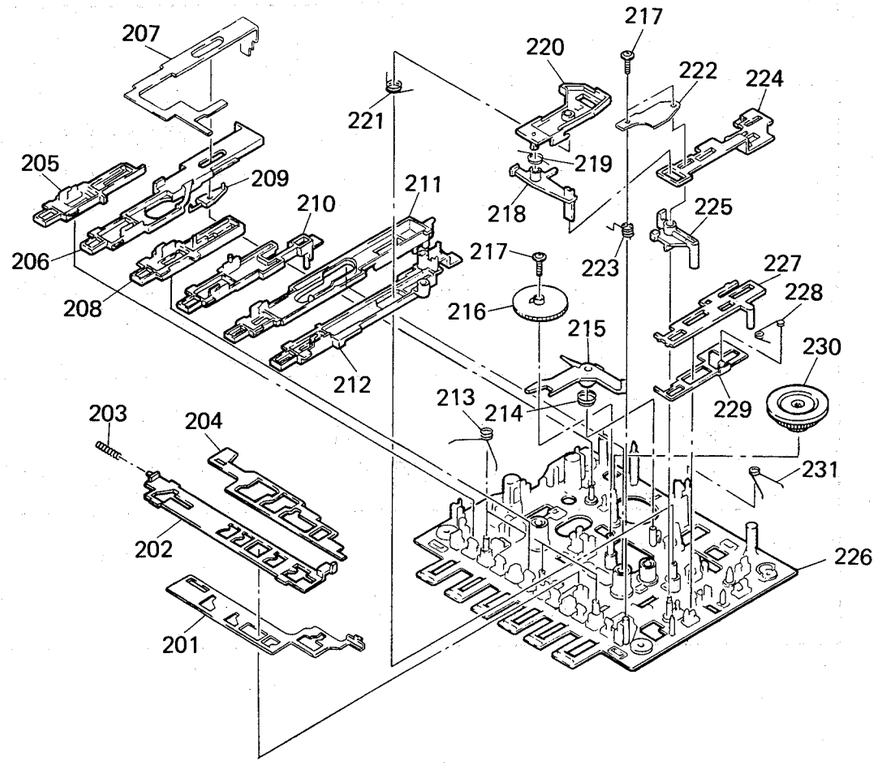
Ref.No.	Part No.	Description	Remark
51	A-3253-563-A	HOLDER ASSY CASSETTE	
52	3-379-757-01	KNOB (DIR. MODE)	
53	3-379-752-01	SPRING (CASSETTE)	
54	3-351-377-11	DAMPER	
55	X-3365-120-1	CABINET (FRONT) ASSY (US, Canadian, E)	
55	X-3365-126-1	CABINET (FRONT) ASSY (AEP, Italian)	
56	3-379-769-01	KNOB (LEVER)	
57	3-379-755-01	BUTTON (DBB)	
58	3-379-413-01	CUSHION (MICROPHONE)	
59	4-812-134-01	NYLON, RIVET (AEP, Italian)	
* 60	3-379-448-01	SHEET, INSULATING (AEP, Italian)	
⚠61	1-533-217-31	HOLDER, FUSE (AEP, Italian)	
* 62	1-641-457-21	POWER BOARD	
* 63	1-641-458-21	BATTERY TERMINAL BOARD	
* 64	A-3262-470-A	TUNER BOARD, COMPLETE (US, Canadian, E)	
* 64	A-3262-471-A	TUNER BOARD, COMPLETE (AEP)	
* 64	A-3262-720-A	TUNER BOARD, COMPLETE (Italian)	
* 65	A-3262-467-A	AUDIO BOARD, COMPLETE (US, E)	
* 65	A-3262-468-A	AUDIO BOARD, COMPLETE (Canadian)	
* 65	A-3262-469-A	AUDIO BOARD, COMPLETE (AEP, Italian)	
* 66	3-379-442-01	TERMINAL (2B), ANTTENNA	
67	3-379-780-01	CABINET (REAR) (US)	
67	3-379-780-11	CABINET (REAR) (Canadian, E)	
67	3-379-780-21	CABINET (REAR) (AEP, Italian)	
68	3-379-771-01	KNOB (ROTARY)	
69	X-3365-169-1	HANDLE ASSY	
70	3-379-412-01	TERMINAL (+, -), BATTERY	
71	3-379-932-01	BATTRY TERMINAL (-)	
72	3-379-770-01	KNOB (TUNING)	
73	3-379-755-11	BUTTON (ISS) (AEP, Italian)	
ANT1	1-501-378-11	ANTENNA, TELESCOPIC (AEP, Italian)	
ANT1	1-501-388-11	ANTENNA, TELESCOPIC (US, Canadian, E)	
* CNJ3	1-691-561-11	HOUSING, CONNECTOR 4P	
⚠F801	1-532-285-00	FUSE, TIME-LAG (1.25A) (AEP, Italian)	
SP901	1-544-742-11	SPEAKER (10cm)	
SP902	1-544-742-11	SPEAKER (10cm)	
⚠T801	1-450-012-11	TRANSFORMER, POWER (Canadian)	
⚠T801	1-450-016-11	TRANSFORMER, POWER (US, E)	
⚠T801	1-450-492-11	TRANSFORMER, POWER (AEP, Italian)	

5-3. MECHANISM SECTION-1
(MF-209-102)



Ref.No.	Part No.	Description	Remark
101	3-374-328-01	GEAR, FWD	
102	3-374-363-01	LEVER (FWD)	
103	3-343-264-81	COLLAR, SPRING	
104	3-374-327-01	SPRING (N R), TORSION	
* 105	3-374-370-01	SLIDER (HD)	
* 106	X-3363-914-1	CHASSIS ASSY, HEAD	
107	3-380-814-01	SPRING, TENSION	
108	3-344-737-11	SCREW (B1.4X6), TAPPING	
109	3-309-597-81	SCREW (1.4), TAPPING	
110	3-336-319-01	RING, RETAINING	
111	3-374-371-01	HOLDER, HEAD	
112	3-831-441-XX	CUSHION, STOPPER	
113	3-374-344-01	GUIDE, EH	
114	3-374-345-01	SPRING, TENSION	
* 115	3-377-197-01	SHEET (AZ) (t=0.99)	
* 115	3-377-197-11	SHEET (AZ) (t=0.115)	
* 115	3-377-197-21	SHEET (AZ) (t=0.14)	
* 115	3-377-197-31	SHEET (AZ) (t=0.165)	
* 115	3-377-197-41	SHEET (AZ) (t=0.23)	
116	3-313-365-00	SPRING, TENSION	
117	3-374-342-01	SPRING (HEAD), TORSION	
118	3-374-343-01	LEVER (FAN TYPE)	
119	3-374-369-01	GEAR (BASE), HEAD	
120	4-930-408-11	CLAW, REEL	
121	3-366-052-01	SHAFT, PINCH ROLLER	
* 122	3-374-373-01	LEVER (PINCH R)	
123	3-374-347-01	SPRING (R), TORSION	
124	3-377-194-01	SPRING, TENSION	
125	3-374-336-01	LEVER (SW)	
126	3-366-051-01	PINCH ROLLER	
* 127	3-374-367-01	LEVER (EJECT)	
128	3-374-366-01	LEVER (ERASE R)	
129	3-374-334-01	SPRING (BRAKE), TORSION	
130	3-374-333-01	LEVER (PAUSE)	
131	3-374-332-01	SLIDER (BRAKE)	
132	3-374-335-01	LEVER (ERASE N)	
133	X-3363-912-1	FLY ASSY (N)	
134	X-3363-913-1	FLY ASSY (R)	
135	3-374-318-01	GEAR (A), DECELERATION	
136	3-374-321-01	BELT	
137	3-376-135-01	SPRING, CASSETTE	
138	4-930-451-01	SPRING	
139	3-374-331-01	SPRING (DIR), TORSION	
140	3-374-364-01	SLIDER (NR)	
141	3-374-324-01	RING, RETAINING	
142	3-374-325-01	GEAR (B), DECELERATION	
143	3-374-329-01	GEAR, MIDWAY	
144	3-374-365-01	GEAR (NR), CAM	
145	3-374-330-01	LEVER (DIR A)	
146	3-374-346-01	SPRING (N), TORSION	
147	3-374-339-01	GEAR, FR	
148	3-374-338-01	LEVER (REW)	
149	3-374-326-01	TABLE, REEL	
150	4-931-747-11	SPRING, COMPRESSION	
151	3-374-322-01	BELT	
152	3-377-195-01	WASHER (S)	
153	3-683-454-01	WASHER, POLYETHYLENE	
154	3-374-368-01	LEVER (FF)	
* 155	3-374-372-01	LEVER (PINCH N)	
156	3-343-251-01	SCREW (M2.6X2.5)	
HE901	1-543-719-11	HEAD, MAGNETIC (ERASE)	
HRP901	1-543-872-11	HEAD, MAGNETIC (REC/PB)	
M901	A-3253-181-A	MOTOR ASSY (including RV401)	
RV401	1-230-495-11	RES, ADJ, CARBON 2K (TAPE SPEED)	
S901	1-570-559-11	SWITCH, LEAF (DIR MODE)	

5-4. MECHANISM SECTION-2
(MF-209-102)



Ref.No.	Part No.	Description	Remark
* 201	3-374-348-01	SLIDER (FR)	
202	3-374-350-01	SLIDER (LOCK)	
203	4-932-648-01	SPRING, COMPRESSION	
* 204	3-374-349-01	SLIDER (SW)	
205	3-374-351-01	SLIDER (STOP)	
206	3-374-352-01	SLIDER (PAUSE)	
* 207	3-374-315-01	SLIDER (CR)	
208	3-374-353-01	SLIDER (FF)	
209	3-374-304-01	LEVER (PAUSE ROCK)	
210	3-374-354-01	SLIDER (REW)	
211	3-374-355-01	SLIDER (FWD)	
212	3-374-356-01	SLIDER (REC)	
213	3-374-308-01	SPRING (CONTROL), TORSION	
214	3-375-011-01	SPRING, COMPRESSION	
* 215	3-374-316-01	LEVER (S OFF A)	
216	3-374-359-01	GEAR (S OFF), CAM	
217	3-344-737-11	SCREW (B1.4X6), TAPPING	
218	3-374-312-01	LEVER (S OFF B)	
219	3-374-311-01	SPRING (S OFF C), TORSION	
220	3-374-357-01	LEVER (S OFF C)	
221	3-374-313-01	SPRING (S OFF), TORSION	
* 222	3-374-317-01	REINFORCEMENT	
223	3-374-309-01	SPRING (REC), TORSION	
224	3-374-358-01	SLIDER (ERASING)	
225	3-374-314-01	LEVER (DIR B)	
* 226	X-3363-918-1	CHASSIS ASSY, MECHANICAL	
227	3-374-306-01	SLIDER (MODE B)	
228	3-374-307-01	SPRING (MUTUAL), TORSION	
* 229	3-374-305-01	SLIDER (MODE A)	
230	X-3363-917-1	LIMITER ASSY, FWD	
231	3-374-310-01	SPRING (FWD), TORSION	

SECTION 6
ELECTRICAL PARTS LIST

AUDIO

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal oxide-film resistor
  F : nonflammable
- Items marked "＊"are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ , for example :
  uA.... : μ A.... , uPA.... : μ PA....
  uPB.... : μ PB.... , uPC.... : μ PC....
  uPD.... : μ PD....
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description			Remark
*	A-3262-467-A	AUDIO BOARD, COMPLETE (US,E)			
		**********			
*	A-3262-468-A	AUDIO BOARD, COMPLETE (Canadian)			
		**********			
*	A-3262-469-A	AUDIO BOARD, COMPLETE (AEP,Italian)			
		**********			
		< CAPACITOR >			
C101	1-162-843-11	CERAMIC	0.022uF	10%	16V
C102	1-163-053-00	CERAMIC MELF	0.0033uF	20%	16V
C103	1-124-126-00	ELECT	47uF	20%	10V
C104	1-163-209-00	CERAMIC MELF	0.0015uF	20%	16V
C105	1-124-903-11	ELECT	1uF	20%	50V
C106	1-124-902-00	ELECT	0.47uF	20%	50V
C107	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C120	1-161-020-11	CERAMIC	0.039uF	10%	16V
C121	1-124-903-11	ELECT	1uF	20%	50V
C122	1-163-213-00	CERAMIC CHIP	0.0022uF	5%	50V
C123	1-124-925-11	ELECT	2.2uF	20%	100V
C124	1-162-397-11	CERAMIC MELF	0.001uF	10%	50V
C130	1-124-126-00	ELECT	47uF	20%	10V
C131	1-124-443-00	ELECT	100uF	20%	10V
C132	1-130-495-00	MYLAR	0.1uF	5%	50V
C133	1-124-471-00	ELECT	1000uF	20%	6.3V
C201	1-162-843-11	CERAMIC	0.022uF	10%	16V
C202	1-163-053-00	CERAMIC MELF	0.0033uF	20%	16V
C203	1-124-126-00	ELECT	47uF	20%	10V
C204	1-163-209-00	CERAMIC MELF	0.0015uF	20%	16V
C205	1-124-903-11	ELECT	1uF	20%	50V
C206	1-124-902-00	ELECT	0.47uF	20%	50V
C207	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C220	1-161-020-11	CERAMIC	0.039uF	10%	16V
C221	1-124-903-11	ELECT	1uF	20%	50V
C222	1-163-213-00	CERAMIC CHIP	0.0022uF	5%	50V

Ref.No.	Part No.	Description			Remark
C223	1-124-925-11	ELECT	2.2uF	20%	100V
C224	1-162-397-11	CERAMIC MELF	0.001uF	10%	50V
C230	1-124-126-00	ELECT	47uF	20%	10V
C231	1-124-443-00	ELECT	100uF	20%	10V
C232	1-130-495-00	MYLAR	0.1uF	5%	50V
C233	1-124-471-00	ELECT	1000uF	20%	6.3V
C301	1-124-443-00	ELECT	100uF	20%	10V
C302	1-124-126-00	ELECT	47uF	20%	10V
C303	1-126-176-11	ELECT	220uF	20%	10V
C304	1-124-126-00	ELECT	47uF	20%	10V
C320	1-124-902-00	ELECT	0.47uF	20%	50V
C321	1-161-057-00	CERAMIC	0.033uF	10%	50V
C322	1-161-057-00	CERAMIC	0.033uF	10%	50V
C323	1-124-034-51	ELECT	33uF	20%	16V
C324	1-124-907-11	ELECT	10uF	20%	50V
C325	1-126-233-11	ELECT	22uF	20%	50V
C326	1-124-464-11	ELECT	0.22uF	20%	50V
C327	1-124-443-00	ELECT	100uF	20%	10V
C328	1-126-233-11	ELECT	22uF	20%	50V
C330	1-124-120-11	ELECT	220uF	20%	25V
C340	1-161-043-00	CERAMIC	0.0022uF	10%	50V
C341	1-124-907-11	ELECT	10uF	20%	50V
C342	1-130-481-00	MYLAR	0.0068uF	5%	50V
C350	1-126-233-11	ELECT	22uF	20%	50V
C351	1-162-843-11	CERAMIC	0.022uF	10%	16V
C352	1-163-063-00	CERAMIC MELF	0.022uF		25V
C360	1-163-063-00	CERAMIC MELF	0.022uF		25V
C361	1-126-176-11	ELECT	220uF	20%	10V
C362	1-163-063-00	CERAMIC MELF	0.022uF		25V
C363	1-124-887-00	ELECT	3300uF	20%	16V

AUDIO

Ref.No.	Part No.	Description	Remark
		< CONNECTOR >	
CNP1	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P	
* CNP2	1-691-574-11	PIN, CONNECTOR (PC BOARD) 3P	
CNP3	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	
* CNP4	1-691-573-11	PIN, CONNECTOR (PC BOARD) 2P	
* CNP5	1-568-271-11	SOCKET, CONNECTOR 5P (US, Canadian, E)	
* CNP5	1-568-272-11	SOCKET, CONNECTOR 6P (AEP, Italian)	
		< DIODE >	
D301	8-719-980-67	LED MVR3338S (OPR/BATT)	
D302	8-719-109-97	DIODE RD6.8ES-B2	
D304	8-719-911-19	DIODE 1SS119	
		< IC >	
IC301	8-759-231-22	IC TA7417AP	
IC302	8-759-048-60	IC BA3870	
IC303	8-759-060-21	IC LA4598	
		< JACK >	
J301	1-566-891-11	JACK (PHONES)	
J302	1-563-716-11	JACK, PIN (CD/LINE IN)	
		< JUMPER >	
JR101	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR102	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR103	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR104	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR105	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR106	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR107	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR108	1-216-296-00	METAL CHIP 0 5% 1/8W	
		< TRANSISTOR >	
Q101	8-729-206-28	TRANSISTOR RN1210	
Q201	8-729-206-28	TRANSISTOR RN1210	
Q301	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q302	8-729-281-53	TRANSISTOR 2SC1815-GR	
		< RESISTOR >	
R101	1-215-473-00	METAL 150K 1% 1/6W	
R102	1-249-426-11	CARBON 5.6K 5% 1/4W	
R103	1-249-407-11	CARBON 150 5% 1/4W	
R104	1-249-432-11	CARBON 18K 5% 1/4W	
R105	1-249-429-11	CARBON 10K 5% 1/4W	
R106	1-249-425-11	CARBON 4.7K 5% 1/4W	
R107	1-249-437-11	CARBON 47K 5% 1/4W	
R108	1-249-424-11	CARBON 3.9K 5% 1/4W	
R109	1-249-429-11	CARBON 10K 5% 1/4W	
R110	1-249-425-11	CARBON 4.7K 5% 1/4W	
R120	1-215-493-00	METAL 1M 1% 1/6W	
R121	1-249-425-11	CARBON 4.7K 5% 1/4W	
R122	1-249-433-11	CARBON 22K 5% 1/4W	
R130	1-249-405-11	CARBON 100 5% 1/4W	
R131	1-249-405-11	CARBON 100 5% 1/4W	
R201	1-215-473-00	METAL 150K 1% 1/6W	
R202	1-249-426-11	CARBON 5.6K 5% 1/4W	
R203	1-249-407-11	CARBON 150 5% 1/4W	
R204	1-249-432-11	CARBON 18K 5% 1/4W	
R205	1-249-429-11	CARBON 10K 5% 1/4W	
R206	1-249-425-11	CARBON 4.7K 5% 1/4W	
R207	1-249-437-11	CARBON 47K 5% 1/4W	
R208	1-249-424-11	CARBON 3.9K 5% 1/4W	
R209	1-249-429-11	CARBON 10K 5% 1/4W	
R210	1-249-425-11	CARBON 4.7K 5% 1/4W	
R220	1-215-493-00	METAL 1M 1% 1/6W	
R221	1-249-425-11	CARBON 4.7K 5% 1/4W	
R222	1-249-433-11	CARBON 22K 5% 1/4W	
R230	1-249-405-11	CARBON 100 5% 1/4W	
R231	1-249-405-11	CARBON 100 5% 1/4W	
R301	1-249-429-11	CARBON 10K 5% 1/4W	
R302	1-249-421-11	CARBON 2.2K 5% 1/4W	
R303	1-215-493-00	METAL 1M 1% 1/6W	
R320	1-249-427-11	CARBON 6.8K 5% 1/4W	
R321	1-249-424-11	CARBON 3.9K 5% 1/4W	
R322	1-215-493-00	METAL 1M 1% 1/6W	
R323	1-249-433-11	CARBON 22K 5% 1/4W	
R324	1-249-402-11	CARBON 56 5% 1/4W	
R325	1-249-441-11	CARBON 100K 5% 1/4W	
R326	1-249-418-11	CARBON 1.2K 5% 1/4W	
R340	1-249-406-11	CARBON 120 5% 1/4W	
R341	1-249-435-11	CARBON 33K 5% 1/4W	
R342	1-249-389-11	CARBON 4.7 5% 1/4W	
R350	1-249-424-11	CARBON 3.9K 5% 1/4W	
R351	1-249-412-11	CARBON 390 5% 1/4W	
R352	1-249-426-11	CARBON 5.6K 5% 1/4W	
R353	1-249-425-11	CARBON 4.7K 5% 1/4W	
⚠R360	1-219-113-11	FUSIBLE 6.8 5% 1/4W F	(EXCEPT US model)
R361	1-249-416-11	CARBON 820 5% 1/4W	
R362	1-249-410-11	CARBON 270 5% 1/4W	
R363	1-249-411-11	CARBON 330 5% 1/4W	
R364	1-249-405-11	CARBON 100 5% 1/4W	
		< VARIABLE RESISTOR >	
RV301	1-241-745-11	RES, VAR, CARBON 20K/20K (TONE)	
RV302	1-241-746-11	RES, VAR, CARBON 20K/20K (VOLUME)	

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AUDIO

BATTERY TERMINAL | MICROPHONE | POWER | SWITCH | TUNER

Ref.No.	Part No.	Description			Remark
		< SWITCH >			
S301	1-570-068-11	SWITCH, PUSH (1 KEY) (REC/PB)			
S302	1-572-771-11	SWITCH, LEVER SLIDE (FUNCTION)			
S303	1-572-006-11	SWITCH, PUSH (1 KEY) (MEGA BASS)			
S304	1-572-006-11	SWITCH, PUSH (1 KEY) (FM MODE)			(AEP, Italian)
		< TRANSFORMER >			
T301	1-433-268-00	TRANSFORMER, BIAS OSCILLATOR			
*	1-641-458-21	BATTERY TERMINAL BOARD			
	3-379-932-01	BATTERY TERMINAL (-)			
*	1-641-552-11	MICROPHONE BOARD			
		< MOCROPHONE >			
ECM301	1-542-178-11	MICROPHONE, ELECTRET CONDENSER (MIC)			
*	1-641-457-21	POWER BOARD			
⚠	1-533-217-31	HOLDER, FUSE (AEP, Italian)			
		< CAPACITOR >			
C801	1-101-005-00	CERAMIC	22000PF	50V	
C802	1-101-005-00	CERAMIC	22000PF	50V	
C803	1-101-005-00	CERAMIC	22000PF	50V	
C804	1-101-005-00	CERAMIC	22000PF	50V	
		< CONNECTOR >			
* CNJ4	1-691-559-11	HOUSING, CONNECTOR 2P			
⚠CNJ801	1-540-009-11	INLET, AC (AC IN) (US, Canadian)			
⚠CNJ801	1-526-818-11	INLET, AC (AC IN) (E)			
⚠CNJ801	1-526-838-11	INLET, AC 2P (AEP, Italian)			
		< DIODE >			
D801	8-719-200-02	DIODE 10E2			
D802	8-719-200-02	DIODE 10E2			
D803	8-719-200-02	DIODE 10E2			
D804	8-719-200-02	DIODE 10E2			
		< FUSE >			
⚠F801	1-532-285-00	FUSE, TIME-LAG (1.25A) (AEP, Italian)			

Ref.No.	Part No.	Description			Remark
		< CONNECTOR >			
* KH801	1-573-287-11	HOLDER, CABLE 2P			
		< TRANSFORMER >			
⚠T801	1-450-012-11	TRANSFORMER, POWER (Canadian)			
⚠T801	1-450-016-11	TRANSFORMER, POWER (US, E)			
⚠T801	1-450-492-11	TRANSFORMER, POWER (AEP, Italian)			
*	1-641-553-11	SWITCH BOARD			
		< CONNECTOR >			
* KH401	1-568-135-11	HOLDER, CABLE 7P			
		< SWITCH >			
S401	1-571-330-21	SWITCH, LEAF (POWER)			
*	A-3262-470-A	TUNER BOARD, COMPLETE (US, Canadian, E)			
*	A-3262-471-A	TUNER BOARD, COMPLETE (AEP)			
*	A-3262-720-A	TUNER BOARD, COMPLETE (Italian)			
		< CAPACITOR >			
C1	1-163-189-00	CERAMIC MELF	220PF	10% 50V	
C3	1-163-059-00	CERAMIC CHIP	0.01uF	10% 50V	(US, Canadian, E)
C4	1-124-907-11	ELECT	10uF	20% 50V	
C5	1-163-059-00	CERAMIC CHIP	0.01uF	10% 50V	
C6	1-163-149-00	CERAMIC MELF	1.8PF	20% 50V	(US, Canadian, E)
C6	1-163-149-00	CERAMIC MELF	2.2PF	10% 50V	(AEP)
C6	1-163-150-00	CERAMIC MELF	3.3PF	10% 50V	(Italian)
C7	1-163-166-00	CERAMIC MELF	24PF	5% 50V	(US, Canadian, E)
C7	1-163-168-00	CERAMIC MELF	30PF	5% 50V	(AEP, Italian)
C8	1-102-953-00	CERAMIC	18PF	5% 50V	(US, Canadian, E)
C8	1-102-961-00	CERAMIC	27PF	5% 50V	(AEP, Italian)
C9	1-163-154-00	CERAMIC MELF	6.8PF	10% 50V	(US, Canadian, E)
C9	1-163-155-00	CERAMIC MELF	8.2PF	10% 50V	(AEP)

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TUNER

Ref.No.	Part No.	Description			Remark
C9	1-162-421-11	CERAMIC MELF	11PF	10%	50V (Italian)
C10	1-163-150-00	CERAMIC MELF	3.3PF	10%	50V
C11	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C12	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C15	1-124-927-11	ELECT	4.7uF	20%	100V
C16	1-124-903-11	ELECT	1uF	20%	50V
C17	1-124-126-00	ELECT	47uF	20%	10V
C18	1-124-126-00	ELECT	47uF	20%	10V
C19	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C20	1-124-903-11	ELECT	1uF	20%	50V
C21	1-124-925-11	ELECT	2.2uF	20%	100V
C22	1-124-443-00	ELECT	100uF	20%	10V
C23	1-124-902-00	ELECT	0.47uF	20%	50V
C24	1-124-927-11	ELECT	4.7uF	20%	100V
C25	1-124-463-00	ELECT	0.1uF	20%	50V
C27	1-161-053-00	CERAMIC	0.015uF	10%	50V (US, Canadian, E)
C27	1-162-840-11	CERAMIC	0.012uF	10%	16V (AEP, Italian)
C28	1-161-053-00	CERAMIC	0.015uF	10%	50V (US, Canadian, E)
C28	1-162-840-11	CERAMIC	0.012uF	10%	16V (AEP, Italian)
C33	1-163-154-00	CERAMIC MELF	6.8PF	10%	50V (US, Canadian, E)
C34	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C35	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C38	1-162-397-11	CERAMIC MELF	0.001uF	10%	50V
C40	1-162-347-11	CERAMIC MELF	1.8PF	20%	50V (Italian)
C40	1-162-348-11	CERAMIC MELF	2.2PF	10%	50V (AEP)
C61	1-124-902-00	ELECT	0.47uF	20%	50V
C62	1-124-902-00	ELECT	0.47uF	20%	50V
		< FILTER >			
CF1	1-577-599-11	FILTER, CERAMIC			
CF2	1-239-249-11	ENCAPSULATED COMPONENT			
CF3	1-577-599-11	FILTER, CERAMIC			
CF4	1-577-599-11	FILTER, CERAMIC			
		< CONNECTOR >			
CNJ21	1-568-280-11	SOCKET, CONNECTOR 5P (US, Canadian)			
* CNJ21	1-568-281-11	SOCKET, CONNECTOR 6P (AEP, Italian)			

Ref.No.	Part No.	Description			Remark
		< VARIABLE CAPACITOR >			
CT1-4 CV1-4	1-151-695-11	CAP, VAR (AEP, Italian)			
CT1-4 CV1-4	1-151-696-11	CAP, VAR (US, Canadian, E)			
		< FILTER >			
FL1	1-236-022-11	FILTER, BAND PASS			
		< IC >			
IC1	8-752-050-20	IC CXA1238S			
		< JUMPER >			
JR2	1-216-296-00	METAL CHIP	0	5%	1/8W
JR3	1-216-296-00	METAL CHIP	0	5%	1/8W
JR8	1-216-296-00	METAL CHIP	0	5%	1/8W
JR12	1-216-296-00	METAL CHIP	0	5%	1/8W
JR14	1-216-296-00	METAL CHIP	0	5%	1/8W
JR15	1-216-296-00	METAL CHIP	0	5%	1/8W
JR17	1-216-296-00	METAL CHIP	0	5%	1/8W
JR18	1-216-296-00	METAL CHIP	0	5%	1/8W
JR19	1-216-296-00	METAL CHIP	0	5%	1/8W
		< COIL >			
L1	1-428-776-11	COIL, AIR-CORE (AEP, Italian)			
L1	1-428-777-11	COIL, AIR-CORE (US, Canadian, E)			
L2	1-460-205-11	COIL (WITH CORE) (AEP, Italian)			
L2	1-460-336-11	COIL (WITH CORE) (US, Canadian, E)			
L3	1-402-158-11	ANTENNA, FERRITE-ROD (MW) (AEP, Italian)			
L3	1-402-416-11	ANTENNA, FERRITE-ROD (MW) (US, Canadian, E)			
L4	1-406-474-11	COIL (OSC)			
		< TRANSISTOR >			
Q1	8-729-900-80	TRANSISTOR DTC114ES			
Q2	8-729-900-80	TRANSISTOR DTC114ES (AEP, Italian)			
		< RESISTOR >			
R1	1-249-413-11	CARBON	470	5%	1/4W
R3	1-249-421-11	CARBON	2.2K	5%	1/4W
R5	1-249-425-11	CARBON	4.7K	5%	1/4W (US, Canadian, E)
R6	1-249-441-11	CARBON	100K	5%	1/4W
R7	1-249-417-11	CARBON	1K	5%	1/4W

TUNER

Ref.No.	Part No.	Description			Remark
R9	1-249-441-11	CARBON	100K	5%	1/4W
R10	1-249-404-00	CARBON	82	5%	1/4W
R11	1-249-427-11	CARBON	6.8K	5%	1/4W
R12	1-249-427-11	CARBON	6.8K	5%	1/4W
R13	1-249-405-11	CARBON	100	5%	1/4W
R14	1-249-429-11	CARBON	10K	5%	1/4W
R15	1-215-477-00	METAL	220K	1%	1/6W
R16	1-215-477-00	METAL	220K	1%	1/6W
R17	1-249-421-11	CARBON	2.2K	5%	1/4W
R21	1-249-411-11	CARBON	330	5%	1/4W
R29	1-249-429-11	CARBON	10K	5%	1/4W (AEP, Italian)
		< VARIABLE RESISTOR >			
RV1	1-238-601-11	RES, ADJ, CARBON 22K (VCO)			
		< TRANSFORMER >			
T1	1-239-249-11	ENCAPSULATED COMPONENT			
**********					
		MISCELLANEOUS			
		**********			
ANT1	1-501-378-11	ANTENNA, TELESCOPIC (AEP, Italian)			
ANT1	1-501-388-11	ANTENNA, TELESCOPIC (US, Canadian, E)			
* CNJ3	1-691-561-11	HOUSING, CONNECTOR 4P			
⚠F801	1-532-285-00	FUSE, TIME-LAG (1.25A) (AEP, Italian)			
HE901	1-543-719-11	HEAD, MAGNETIC (ERASE)			
HRP901	1-543-872-11	HEAD, MAGNETIC (REC/PB)			
M901	A-3253-181-A	MOTOR ASSY (including RV401)			
RV401	1-230-495-11	RES, ADJ, CARBON 2K (TAPE SPEED)			
S901	1-570-559-11	SWITCH, LEAF (DIR MODE)			
SP901	1-544-742-11	SPEAKER (10cm)			
SP902	1-544-742-11	SPEAKER (10cm)			
		ACCESSORIES & PACKING MATERIALS			
		**********			
⚠	1-557-287-11	CORD, POWER (E)			
⚠	1-574-131-21	CORD, POWER SUPPLY (AEP, Italian)			
⚠	1-690-952-21	CORD, POWER (US, Canadian)			
*	3-379-384-01	CUSHION (L)			
*	3-379-385-01	CUSHION (R)			
*	3-379-386-01	INDIVIDUAL CARTON (US, Canadian, E)			
*	3-379-387-01	INDIVIDUAL CARTON (AEP, Italian)			
	3-755-207-21	MANUAL, INSTRUCTION (US, Canadian, E)			(ENGLISH)
	3-755-207-31	MANUAL, INSTRUCTION (Canadian)			(FRENCH)
	3-755-207-41	MANUAL, INSTRUCTION (AEP)			(SPANISH/DUTCH/SWEDISH/PORTUGUES)
	3-755-207-51	MANUAL, INSTRUCTION (Italian)			(ENGLISH/GERMAN/ITALIAN)

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HARDWARE LIST
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Ref.No.	Part No.	Description	Remark
#1	7-685-153-19	SCREW +P 3X30 TYPE2 NON-SLIT	
#2	7-685-646-79	SCREW, TAPPING	
#3	7-685-649-79	SCREW +BVTP 3X14 TYPE2 N-S	
#4	7-685-133-19	SCREW +P 2.6X6 TYPE2	
#5	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#6	7-682-553-04	SCREW +BVTT 3X20 (S)	
#7	7-682-548-09	SCREW +B 3X8	
#8	7-621-759-45	+PSW, 2.6X6	
#9	7-621-775-20	SCREW +PTT 2.6X5 (S)	
#10	7-685-134-19	SCREW +P 2.6X8 TYPE 2 NON-SLIT	

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